### APPENDIX I PROJECT PERSONNEL VITAS

Name: William M. Gardner

Born: April 8, 1935 U.S. Army Hospital, Panama Canal Zone Present Address: Route 1, Box 1375, Front Royal, VA 22630

#### Present Positions:

Professor Anthropology Department Catholic University Washington, D.C.

President
Thunderbird Research Corporation, and Thunderbird Archeological Associates, Inc.
Route 1, Box 1375
Front Royal, VA

Advisor Thunderbird Regional Preservation Office Route 1, Box 1375 Front Royal, VA

Director Emeritus Thunderbird Museum and Archeological Park Route 1, Box 1375 Front Royal, VA

#### Educational Background:

BA, Psychology, University of Florida, Gainesville, 1960 PhD, Anthropology, University of Illinois, Urbana, 1969

#### Areas of expertise:

Environmental archeology
Multi-disciplinary archeological research
Cultural ecology
Cultural resources management
Museum and interpretive design

#### Geographic expertise:

Middle Atlantic Southeast Middle West

#### Field work projects in:

Virginia, Maryland, Delaware, North Carolina, South Carolina, Georgia, Florida, West Virginia, Illinois, Pennsylvania, New Jersey, Washington, D.C.

#### Other areas:

South America, U.S.S.R.

#### Past Positions:

Chairman 1974-1978
Department of Anthropology
Catholic University of America
Washington, D.C.

President 1976-1978
Middle Atlantic Archeological Conference

#### Research Grants Directed:

- Excavations at the Jasper Newman Site, Illinois.
  National Science Foundation Doctoral Dissertation
  Improvement Grant.
- Potomac River Archeological Site Survey.

  National Science Foundation, two consecutive grants
  (co-principal investigator with R. L. Humphrey and
  C. W. McNett).
- Excavations at the Thunderbird Paleoindian Site.
  National Geographic Society.
- The Flint Run Complex: A Study in Paleoindian to Early Archaic Period Adaptation, two consecutive grants.

  National Science Foundation.
- European Travel Grant.

  American Council of Learned Societies.

#### General:

- Created, organized and directed (for three years with R. L. Humphrey and C. W. McNett) The Consortium of Washington, D.C. Universities Potomac River Archeological Survey.
- Created and Direct the Northern Shenandoah Valley
  Archeological and Environmental Research Program.
- Created and Direct the Middle Atlantic Archeological and Environmental Research Program: A Broad Transect Study in the Appalachian Plateau, Ridge and Valley, Great Valley, Blue Ridge, Piedmont, and Coastal Plain Physiographic Provinces.
- Created, organized and developed the Middle Atlantic Archeological Conference.
- Created, co-designed and co-developed with Catholic University graduate students, the Thunderbird Museumand Archeological Park.

- Developed and organized the Thunderbird Regional Preservation Office.
- Designed and developed the undergraduate anthropology and the archeological training programs at the Catholic University of America.

#### Contract: (Principal Investigator)

Continuing:

- Thunderbird Regional Preservation Office. Matching grant with the Virginia Historic Landmarks Commission and the Virginia Research Center for Archeology.
- Flint Run Archeological District Excavation Grant.

  Matching grant with the Virginia Historic
  Landmarks Commission.
- Hagerstown Valley, Washington County, Maryland,
  Archeological Site Survey Program. Matching
  grant with the Maryland Historic Trust.
- Open-ended Intensive Archeological Investigations contract with the Maryland Department of Transportation.

Completed:

- Shelbyville Reservoir, Illinois, Salvage Archeology.
  National Park Service.
- Salvage Excavations at the Dotray Site, Illinois.
  Illinois Archeological Survey Highway Salvage
  Program.
- Excavations at Fort Lincoln, Washington, D.C. National Park Survey.
- Archeological Excavations at the Stout Site, Great Falls National Park, Virginia. National Park Service.
- Archeological Investigations of Matildaville, Great Falls National Park. National Park Service.
- Archeological Investigations at the Frederick
  Douglass Home, Washington, D.C. National Park
  Service.
- Archeological Survey of Piscataway National Park.
  National Park Service.
- Archeological Excavations at Harpers Ferry National Park. National Park Service.

- Archeological Survey of a Portion of the Northwest Branch, Prince Georges County, MD. Washington Suburban Sanitary Commission.
- Archeological Survey of a Portion of the Skyland and Big Meadows Area, Shenandoah National Park, Virginia. National Park Service.

### William P. Barse Thunderbird Archeological Associates, Inc. Route 1, Box 1375 Front Royal, VA 23630

Born: 1952

#### Education:

Montgomery College, Rockville, Maryland, 1969-1971, No Degree

University of Maryland, College Park, Maryland, 1971-1974, B.A. in Anthropology

Catholic University of America, Washington, D.C., 1976-1981, M.A. in Anthropology

#### Field Experience:

My field experience began in 1968, working with the Archeological Society of Maryland on excavations carried out under the supervision of the State Archeologist. Geographically, my field experience encompasses the Middle-Atlantic Region, the mid-west, and the southeast. My current research interest in the Early to Middle Woodland transition in the Middle Atlantic, and the development of localized exchange networks during the Middle Woodland in the Middle Atlantic and the southeast. Listed below are the major field seasons I have taken part in since 1972:

- 1972 Ecavation at the West Shore Site, Anne Arundel Co.. Md.
- 1974 Excavation at the Rosehaven Site, Anne Arundel Co., Md.
- 1975 Excavation at the Heidenreich Site, Noblesville, Indiana
- 1976 Excavation at the Van Naita Site, Bahle Ground, Indiana
- 1977 Excavation at the Corral Site, Front Royal, Virginia
- 1979 Archeological Survey of the Proposed Corridor H Route and Charles Town Bypass, West Virginia
- 1979 Archeological Test Excavations in the Richard B. Russell Reservoir, South Carolina and Georgia
- 1980 Survey of Private Collection in the Richard B. Russell Reservoir Region
- 1981 Excavations at the Cabin Run Site, Front Royal, Virginia

I was the field supervisor on all but the 1974 and 1981 sites listed above. In addition, I have worked on many smaller contracts in the Middle Atlantic region.

#### Papers/Publications/Reports:

- "Riggins Pottery from Southern Maryland". Maryland
  Archeology, Vol. 9, nos. 1-2, by Melburn D. Thurman and
  William P. Barse.
- "Outline Mockley and Mockley-Like Pottery in the Mid-Atlantic." Paper presented at the 5th Middle Atlantic Conference, Baltimore, Md., by Melburn D. Thurman and William P. Barse.
- 1977a "Further note on Riggins Ware from Maryland". Paper presented at the 8th Middle Atlantic Conference, Trenton, New Jersey, by William P. Barse.
- "The Purlett Site: An Exploration." Maryland Archeology, Vol. 13, no. 1, by William F. Barse, Wayne E. Clark, and Gerald Braley.
- "Preliminary Notes on the West Shore Sie, 18AN219".

  Newsletter-of the Archeological Society of Maryland,

  Vol. IV, #1, January. By William P. Barse.
- "A Preliminary Archeological Assessment of the Proposed Corridor H Routes, West Virginia, from Elkins, to the Virginia State Line." Report submitted to the West Virginia Department of Highways by Kevin Cunningham and William P. Barse.
- "A Preliminary Archeological Reconnaissance of the Charles Town Bypass." Report submitted to the West Virginia Department of Highways by William P. Barse and Kevin Cunningham.
- "Results of the Testing of Nineteen Archeological Sites in the Richard B. Russell Reservoir Region, South Carolina and Georgia." Report submitted to IAS in Atlanta by William M. Gardner and William P. Barse.
- "The Distribution of Paleo and Early Archaic Projectile Points in the Richard B. Russell Reservoir Region". Report on file, Thunderbird Research Corporation, prepared for submission to Inter-Agency Archeological Services, Atlanta, by William P. Barse.
- Archeology of the Savannah River in the Georgia-South Carolina Piedmont: Test Excavations in the Richard B.
  Russell Reservoir Project Area. M.A. Thesis, Department of Anthropology, Catholic University of America, Washington, D.C., by William P. Barse.

#### Professional Affiliations/Memberships

Staff Archeologist, Thunderbird Research Corporation Research Associates, Old Missouri Research Institute Society for American Archeology American Anthropological Association Archeological Society of Maryland

#### APPENDIX II

#### RESEARCH PROPOSAL

PHASE I & II

AND

PHASE III

## THUNDERBIRD ARCHEOLOGICAL ASSOCIATES, INCORPORATED

ROUTE ONE, BOX 1375 FRONT ROYAL, VIRGINIA 22630

(703) 635-3860

Proposal for Phase I and II Archeological Investigations for Improvements to Route 141, New Castle County, Delaware

This proposal was prepared by Thunderbird Archeological Associates for the conduct of archeological investigations for the planning study for proposed improvements to Route 141 in New Castle County, Delaware. It was prepared in response to a request for the Location and Environmental Studies Office of the Delaware Department of Transportation. The Delaware Bureau of Archaeology and Historic Preservation has identified two historic sites, the Hollingswood property and the Cleremont estate, and several sensitive areas for prehistoric archeological resources that may be affected by the proposed construction. Upon acceptance of this proposal, Thunderbird Archeological Associates will complete five tasks, outlined in the letter request: conduct archival work, field investigations, artifact analysis and processing; 2) determine the integrity, significance of any resources identified, and make recommendations concerning their eligibility for nomination to the National Register of Historic Places; 3) evaluate such resources within the context of Delaware's prehistory and history; 4) prepare a standard archeological report documenting the investigations and their results; and 5) if necessary, recommend a plan of mitigation of impact, including National Register forms, budget and research design.

This proposal is presented in two parts. First, a brief description of the prehistoric and historical context for the proposed research is given, including research questions that will be addressed by the investigations. Second, a technical proposal is given describing the research methods and outlining the schedule and budget for the proposed work.

#### Research Context

A general discussion of the prehistoric research context for Delaware has been provided by Jay F. Custer, University of Delaware, for the Bureau of Archaeology and Historic Preservation. Custer analyzes site distributions in the various physiographic regions of the state for the various cultural-historical periods of prehistoric occupation. His evaluations of the probabilities for particular types of sites in the Piedmont Uplands Study Unit can form the basis for predictive statements about resources that may be located in the Route 141 study corridor. He states that, for the Paleoindian/Early Archaic period, site probabilities are low for quarry sites, quarry

reduction sites and quarry related base camps. The probabilities for non-quarry related base camps and base camp maintenance stations are medium, and those for hunting sites are high. Elsewhere (Custer and Wallace 1982:151), he observes that the latter three categories of sites are likely to be located near sinkholes or floodplain swamps within the region, and since the project area does not contain such features, the likelihood of locating the remains of Paleoindian occupations appears to be fairly low.

For the Middle Archaic period, Custer lists three types of sites. In the Piedmont Uplands, there is a low probability for macro-band base camps, a medium probability for micro-band base camps and a high probability for procurements sites. Only one of the two topographic settings for the latter type of sites occurs in the study corridor; upland slopes above ephemeral streams and These settings were indicated as high probability areas by the Delaware Bureau of Archaeology and Historic In the Woodland I period (including Late Archaic Preservation. through Middle Woodland manifestations), the number of site types expands, but the predicted distribution for the study corridor portion of the Piedmont Uplands remains identical to those of the preceding period. The same may be said for the Woodland II (Late Woodland) occupations. In summary, Paleoindian sites are not predicted in the study corridor and only short-term procurement sites would be expected from the remaining span of prehistoric These sites would be relatively small and contain a time. limited range of functional artifact types.

The survey activities proposed here can serve to confirm (or disconfirm) settlement models proposed by previous reserach on site distributions in the Piedmont Uplands from various prehistoric periods, and possibly add data for the refinement of these models. Custer's research suggests that the quality of data for the Piedmont Uplands ranges from fair to good, and that the use of this landform was largely restricted to short-term procurement activites. Sites there represent only a portion of the subsistence round, with more intensive utilization of other The increase in the number of data environmental settings. points which may be generated by this study may ultimately allow a more refined analysis of such phenomena as "distance decay" relationships between these short-term occupations and the more intensively used site-settings for each time period. This, in turn, may allow a more refined characterization, in processual terms, of the differences between the procurement patterns practiced at various times in the prehistoric past.

The research proposed here will add only incrementally to the data base necessary to achieve these research goals, and the research and analysis for this project will concentrate on the evaluation of resources discovered by the survey within the existing research context. No major elaboration of that context would be expected at this phase of assessment.

An examination of the proposed construction plan, and maps and documents supplied by the Delaware Bureau of Archaeology and Historic Preservation suggests that there are three possible historic period sites that may be affected by the construction. The first two of these were identified from maps dating to the last quarter of the nineteenth century. One, the Armstrong Site, is identified on the Baist (1893) map as containing three brick or stone structures, and the other, the Hollingswood site, is indicated as a frame structure on the same map. Nothing else is known of these sites at the present, but background and archival research, proposed for this study, should develop additional information on these sites. The third historic period site that may be affected by the proposed construction is the Cleremont (N-478) site. Formerly, a residence with outbuildings was located at this site, but these have recently been destroyed. Significant archeological remains associated with the 1846 (and possibly earlier) structure may still be present at the site, however.

These three sites represent rural occupations whose remains may be compared to those obtained from the Hawthorn Homestead site, currently under investigation by the Delaware Department of Transportation. Of particular research interest will be the comparison of economic status among these sites and between them and the sites investigated at the Stanton Intersection, a companion project to this one (proposal submitted separately). The differential effects of processes of urbanization and industrialization on rural contexts can be examined at these and nearby sites.

As in the case of the prehistoric resources the data developed at the site identification and testing stage cannot be expected to result in a major elaboration of the existing research models, and the work proposed here will concentrate on the evaluation of any resources identified.

#### Technical Proposal and Budget Justification

To evaluate the archeological resources that may be affected by the proposed highway improvements, and to address the research problems described above four general activities are proposed. These are shown in the attached budget, and the justifications for them are given below.

I. Background and Archival Research - The Delaware Bureau of Archaeology and Historic Preservation maintains excellent records on the prehistoric resources of the state, and these will be consulted to provide a more detailed understanding of the resources that may be affected by the project. In addition, experts knowledgeable in the prehistory of the region and the state will be consulted to provide data and interpretations not otherwise available in the records. For the historic period resources, maps, primary and secondary resources will be researched at the Bureau of Archaeology and Historic Preservation, the Delaware Archives, the University of Delaware

Library, the Historical Society of Delaware, the National Archives, and the New Castle County Courthouse. The objectives of this research will be identify the occupants of the sites and develop data on their economic conditions.

The background research is necessary to identify and evaluate the prehistoric and historic resources in the study corridor within the larger state and regional contexts. In this way, the study will contribute to broader research and resource management goals. The work will be completed by the field supervisor, and will take fifteen days.

II. Field Investigations - To identify and evaluate the physical integrity and significance of any archeological remains that may be present in the impact zone, a program of field investigations will be completed. Some of the high probability zones for prehistoric resources are presently cultivated and these will be subject to pedestrian survey by the survey team walking at intervals of no more than fifteen feet. This spacing should be sufficient to identify sites whose predicted diameter is approximately fifty feet. In locations where there is no surface exposure five-foot by five-foot test pits will be excavated. Intact soil horizons bearing cultural material will be screened through 1/4 inch mesh screens to collect representative samples of artifacts. Natural and cultural stratigraphy will be recorded in profile drawings for each unit, and episodes of fill or disturbance will be noted. The spacing of the test units will be adjusted to local conditions. For the suspected locations or prehistoric sites, test units will be distributed to sample topographic variation within the sensitive area, with emphasis on downslope locations where intact remains may have been protected by slopewash. At historic sites, test pits will be distributed on the basis of surface indications and any pertinent data developed during the background study.

The field investigations are necessary to identify and evaluate the integrity of any resources that may be present to determine if additional research is necessary to mitigate the impact of the proposed construction. The fieldwork will be completed by four experienced crew persons under the direction of the field supervisor. The time allocated for fieldwork is fifteen days.

III. Lab Processing and Analysis - following the completion of the fieldwork, all artifacts and other cultural material (i.e. faunal remains) will be returned to the lab for processing and analysis. All artifacts will be cleaned and marked, and any conservation problems addressed. The prehistoric artifacts will be analyzed with reference to previously established types and implied function, in orer to evaluate the temporal provenience and function of each site. The analysis of the historic period artifacts will be accomplished using a system of attribute analysis developed in our lab. This allows for the delineation of a number of different economic and functional patterns, and the system is compatible with automatic data processing

techniques. The analysis procedure is necessary to fully evaluate the content and significance of archeological remains identified during the fieldwork. The analysis and processing will be completed by the field supervisor and two crew persons and will take ten days.

IV. Report Preparation - all of the activities described above will be reported in a standard archeological report. The report will also contain recommendations on the significance of any resources identified with respect to the criteria for eligibility for nomination to the National Register of Historic Places. additional work in the form of data recovery is justified, a research design and budget for that work will be included in the The report is necessary for the planning of the construction and any additional cultural resources mitigation that may be necessary. The report will be completed by the field supervisor and the editor, under the supervision of the principal investigator. It will require twenty days to prepare. A draft copy, including illustrations, will be submitted to the Delaware Department of Transportation who, after review and approval, will be responsible for the mechanical aspects of report production, according to the Scope of Work.

Per diem costs for the background and archival work and the field investigations have been budgeted since these portions of the work will necessitate residence away from our principal place of business in Front Royal, Virginia. Per Diam is allocated for the following travel schedule: Travel will begin in Front Royal, Virginia, on Sunday afternoon (travel time to the project area is approximately four hours and forty-five minutes) and accommodations will be needed for Sunday night. At five o'clock on Friday afternoon, during each working week, return travel to Front Royal will commence. Thus, five full days of Per Diem will be required to cover travel expenses for each week of work in the project area (including background research). Overhead, including all indirect cost and benefits has been budgeted at our standard rate of forty five percent against wages and salaries. Mileage has been charged at twenty cents a mile for 3,500 miles, based on previous experience with work in Delaware. It includes travel to and from Front Royal and daily travel for one vehicle for the background and archival work and two vehicles for the Photocopying costs have been budgeted for field investigations. the copying of maps and documents from the various sources mentioned in the description of the background and archival Thunderbird Archeological Associates is a profit making corporation, and a standard profit charge of eight percent has been calculated against the total wages and overhead.

All the work described in this proposal will be closely coordinated with the Delaware Department of Transportation, and consultation with the Delaware Bureau of Archaeology and Historic Preservation, representing the Delaware State Historic Preservation Officer, will be maintained.

ARCHEOLOGY, CULTURAL RESOURCE MANAGEMENT

## THUNDERBIRD ARCHEOLOGICAL ASSOCIATES, INCORPORATED

ROUTE ONE, BOX 1375 FRONT ROYAL, VIRGINIA 22630

(703) 635-3860

Proposal for Conducting

Data Recovery Investigations at the Field Four Site
in New Castle County, Delaware

June 1984

#### Introduction

This transmittal presents a proposal for conducting data recovery investigations at the Field Four site in New Castle County, Delaware. Significant archeological remains will be affected by proposed construction connected with improvements to Delaware Route 141. This proposal was prepared in response to a request for proposal from the Delaware Department of Transportation.

#### Background and Research Questions

In response to changing economic conditions in the beginning of the nineteenth century, land tenure became consolidated into the hands of fewer individuals in northern Delaware. Landowners often had business interests connected with industrialization or commerce in urban centers and frequently lived in the city. To maintain agricultural production, a system of tenancy was employed. Tenants were probably drawn from groups of lower economic status in both urban and rural populations, but very little historical research has been devoted to these individuals and little is known of their economic or cultural background. Likewise, little remains of their material culture, including their housing, have survived. It appears that the Field Four site represents a tenant occupation for reasons presented in the report.

The testing program at this site revealed the remains of a structure and other sub-plowzone features, as well as a large quantity of artifact remains within the plowzone. The data recovery program proposed here has been designed to retrieve a sample of data to address several research questions. would like to learn more about the spatial arrangement and relationships of the dwelling and other service buildings such as storage sheds, animal pens, privies, etc., to show how these compare to the larger complexes of the owners, many of which are still extant. We also expect that discarded material possessions in the plowzone and features will allow a more precise characterization of the social and economic status of the tenant occupants of the site. Patterning in the distribution of economically significant attributes in the artifacts can be compared with data collected in future research to see if there are broad patterns reflecting the economic conditions of tenants as a group.

Both the spatial and artifact patterns identified at this site can serve as a baseline for comparison with data developed in future research into this little known class of archeological occupations. Future research questions might include the examination of the effects of proximity to a major market center

(Wilmington) in comparison with situations more removed from such centers.

#### Research Methods

The research methodology has been designed to address these and other research questions. The site area has been divided into four zones, each requiring somewhat different treatment. Zone A is the area surrounding the structure foundation, a portion of which was located during the testing program. The exact size of the structure was not determined during the testing program, but dimensions of 20 feet by 30 feet have been arbitrarily assumed. Complete hand excavation of this zone will be carried out to completely reveal the foundation, and any associated features. In eighteenth century house sites, door and window locations are sometimes revealed by concentrations of artifacts, and if this holds true for this early nineteenth century site, valuable architectural information may be revealed about a little known dwelling form.

Zone B is the area to the rear of the structure in which features and the remains of dependencies are likely to occur. It's lateral margins (on the west and east) have been determined by the points at which artifact counts from the test pits in the testing program fell to near zero. To the rear (north), an arbitrary boundary which is seventy feet from the house has been drawn. At this point, the ground begins to drop off toward the spring drainage. Although some trash features, and possibly waste disposal features, might occur in this zone, the general expectation is that the scope of the archeological remains will be smaller.

A series of five foot by five foot excavation units, to amount to 10% of the total area of Zone B (2055 sq. ft.) is planned. The purpose of these units is two-fold: first, the plowzone in these units will be screened through ¼" mesh to obtain distributional data on the artifacts at the site. Soil samples will be collected in each unit to detect any differences in soil chemistry that might reveal different functional uses of this area. The second purpose of the five foot by five foot excavation units is to locate any features that survive below the plowzone.

The search for feature remains will be augmented by the use of a backhoe to strip the plowzone in a series of diagonal lines (to avoid the systematic exclusion of linear features such as fence rows) across Zone B. The machine stripping will expose 35% of the area of the zone (7193 sq. ft.).

Zone C lies between Zone B and the spring drainage, behind (north of) the structure location. The general approach here

will be similar to that taken in Zone B, except that the proportion of area opened in 5' by 5's will be 5% (688 sq. ft.), and that exposed by machine will amount to 25%, commensurate with the lower expectation for archeological remains.

Zone D lies in front of the structure according to the hypothesized foundation size). The expectation for archeological remains, both within the plowzone and below it, is smallest in this area, and a 5% sample of the area (270 sq. ft.) will be exposed in 5' by 5's, and the plowzone screened, primarily to supplement and complete the artifact distribution data gained from the other zones. The front (southern) boundary of this zone is defined by the construction margins of (existing) Lancaster Pike. Although some additional remains may lie beneath this roadway, they are likely to be sparse and not significant enough to justify removing a portion of the roadway. During the completion of the hand and machine excavations, sub-plowzone features will mapped and excavated.

After the completion of the fieldwork, all artifacts will be returned to the laboratory, washed, marked and subjected to any needed conservation measures. To address research questions about economic status and intra-site functional patterning, the artifacts from all proveniences will be subject to a imprehensive analysis procedure which records formal, decorative and functional attributes for all materials (to the degree possible). The analysis procedure will consist of numerically coding the attribute variates for each variable, and entering these codings into the computer for further statistical manipulation.

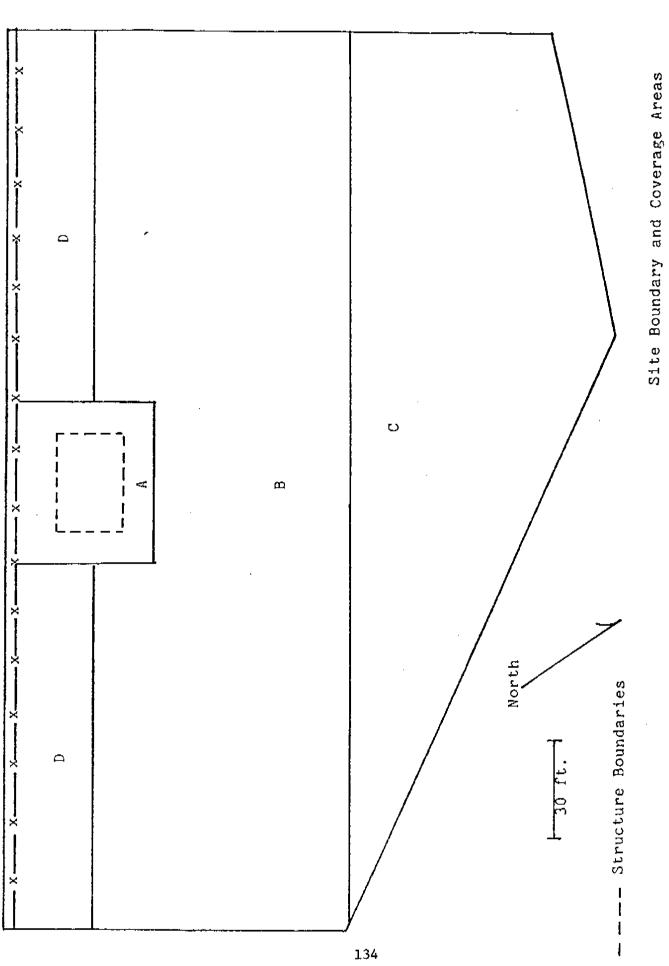
Soil samples will be analyzed for chemical composition, and floral and faunal samples analyzed for information on diet. Matrix samples from features will be water-screened for microfloral and micro-faunal data.

In order to calculate the budget for the proposed work, the surface area sampling fractions for the various coverage areas were divided by the number of person hours necessary to excavate a fraction of those areas. The rate used was 400 person hours This is the equivalent of 10 person mer thousand square feet. .ours to excavate a five-foot by five-foot excavation unit, or, five hours for a two person team, and includes excavation, screening, mapping, feature excavation (if necessary) and backfilling. rate is based on extensive experience working on sites that are primarily plowzone sites, and is somewhat lower than would be used on a site with more complex stratigraphy. The number of person hours for each fraction of each coverage area was then divided by eight, to obtain person days, and again by six, the number of crew proposed, to yield the number of work days for each portion of the area using a six person crew. These calculations are summed in the attached table to yield a total of 43 days (rounded) to complete the hand excavation portions of the fieldwork. days were added for rain and other contingencies.

The backhoe portion of the work was calculated, estimating a rate of 500 square feet per day, to clear off the plowzone, under the supervision of the supervisor. This work will be carried out concurrently with the hand excavations. Twenty-two days will be necessary to expose the sampling fraction area, five days is allocated for backfilling, and three days is allowed for contingencies such as rain and mechanical failure. This leads to thirty days for the backhoe work.

The personnel hours for the lab processing, data coding, and analysis hours are based on extensive experience with similar procedures on other projects, as are the report preparation hours.

Costs, shown in the attached budget, are therefore based directly on work activity, and adjustments in the budget can by made by altering the sampling fractions, and therefore the work produced. The sampling fractions are regarded as minimum to effectively realize the research design, however.



Hand Excavations	vations						
Coverage Area	Total Area Sq. Ft.	Sampling Fraction 100% 10% 5%	No. 5'x5' Units	Person Hrs.	Person Days	Crew of 6	Work Days
A	2100	2100	84	840	105	17.5	81
В	20,550	2055	82.2	822	102.75	17.125	17
U	13,750	687.25	27.5	275	34.375	5.729	9
D	2400	270	10.8	108	13.5	2.25	<≀
Total	41,800	2100 2055 957.5 5112.5	204.5	2045	255.625 + cont	625 42.60 contingency	43
					Total Days	Days	45
Backhoe Excavation	cavation						
Coverage Area	Total Area Sq. Ft.	Sampling Fraction 35% 25%	at 500 Sq. Ft.	. Ft. per	day	Work Days	
<u>m</u>	20,550	7192.5		14.37		15	
υ	13,750	3437.5		6.88		7	
Backfill	1					ις	

30

Total Backhoe Days

+ contingency 3

## APPENDIX III ARTIFACT PROVENIENCE AND FINAL INVENTORY, FIELD 1, FERRIS SCHOOL PROPERTY

### Field 1 - Ferris School Property Provenience and Accession List

Surface Collection

Acc. No. 83/127/1

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#### GENERAL ARTIFACT INVENTORY

Site No.	Site Name Ferris School Property- Field #
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#### APPENDIX IV

#### ARTIFACT PROVENIENCE AND FINAL INVENTORY - FIELD 2

Field 2 Provenience and Accession List

	Shovel				Units		Acc.	
	<i>#</i> l	Αp			ifacts)		83/12	
	#2	Last F	ill I	rodA	re Subso	il	83/12	28/2
	#3	Αp					83/12	
	#4		(no	art	ifacts)		83/12	28/4
	<b>#</b> 5	Αp					83/12	
#15	#19	Αo					83/12	28/6
	#19	Αp	(no	art	ifacts)		83/12	
	#20	Al					83/12	28/8
	#21	A2					83/12	
Surfa	ce Coli	lection	Sou	ath	Field			
	General	l Surface	e				83/12	
	Pass 1						83/12	28/10
	Pass 2						83/12	28/10
	Pass 3						83/12	28/10
	Pass 4						83/12	28/10
	Pass 5						83/12	28/10
Surfa	ice Col	lection	No	rth	Field			
	Pass 1						83/12	28/11
	Pass 2						83/12	28/11
	Pass 3		(no	art	ifacts)		83/12	
	Pass 4						83/12	

Field 2 - Artifact Summary

	Totals		General Artifact Inventory
	9 4 16 19 0 1 3 0	(2) (3) (4) (5) (6) (7) (8) (9)	redware, glazed redware, unglazed whiteware, decorated whiteware, undecorated stoneware, decorated stoneware, undecorated porcelain, undecorated porcelain, undecorated creamware yelloware
Ceramic Total	7 6 2 68 0	(11) (12) (13) (14) (15)	pearlware, decorated pearlware, undecorated ironstone green bottle glass
	3 6 3 0 16 3	(17) (18) (19) (20)	blue bottle glass brown bottle glass clear bottle glass tableware storage milk glass
	3 6		misc. glass
Glass (Subsiste Function) Total		(23)	
1 4 0 4 10 04.1	4	(24)	lamp chimney
	4		window glass
	0 0	(26)	nail, staple
	0	(28)	nail, wrought nail, cut
	Ö		nail, wire
	0	(30)	nail, roofing
	0	(31)	metal, architecture
	0 1	(32)	metal, furniture metal, household
	Ö	(34)	
	0	(35)	metal, tool
	0	(36)	-
	0 0	(37) (38)	metal, screws metal, wire
	ŏ	(39)	
	0	(40)	unidentified metal fragments
M-4-3 M-4-3	0	(41)	nail fragments
<u>Metal Total</u>	1 2	(42) (43)	button/bead
	10	(44)	other
	1	(45)	plastic
	0	(46)	pipes
	10 24	(47) (48)	brick oyster/clam
	9	(49)	aboriginal
Total Artifacts	_	(50)	<u> </u>

Sheet		١	i		ωf	-	1	
SHEEL	_	,			•	•		

#### GENERAL ARTIFACT INVENTORY

Site No.	Site Name Fild # 2
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These are keyed to provenience numbers list (83/128/10) 183/28/9 93/12011 Accession No. Glzd (1)Redwr Ungl (2) Deco 13 (3) White Undc 10 (4) Deco (5) Stone Undc (6) Deco (7) Prcln Undc (8) Creamware (9) Yelloware (10)Deco 6 (11)Prlwr Undc (12)Ironstone a (13)Total 50 15 (14)Green (15)Bottle Blue (16)Brown (17)0 Clear (18)Tableware (19)Storage 15 (20)Milk Glass 3 (21)Misc. 3 (22)Total 1 32 (23)Lamp Chimney 4 (24)Window (25)Staple (26)Wrgt (27) Cut (28)Wire (29) Roofing (30)Architecture (31)Furniture (32)Metal Household (33)Misc. (34)Tool (35)Other Arms (36) Screws (37) Wire (38)Sheet (39)Unid Metal Fr (40)Nail Frags (41) Total (42)Button / Read (43)Other (44)Plastic (45)Pipes (46)Brick (47)5 Ovster/Clam (48) 4 Aboriginal  $\mathfrak{Q}$ (49)<u>a</u> (50)Total

143

# APPENDIX V ARTIFACT PROVENIENCE, FINAL INVENTORY AND ARTIFACT TABULATIONS, FIELD 3

		Upper and Lower	Fields
Shovel	Tests	2'by2' Units	Acc. No.
#1	Ap	Lower Field	83/129/1
#1	Zone 2	11	83/129/2
#2	Ap	Lower Field	83/129/3
#4	Ap	Upper Field	83/129/4
<i>#</i> 5	Ap	Upper Field	83/129/5
#6	Ap	Upper Field	83/129/6
#7	Ap	Upper Field	83/129/7
#9	Αp	Upper Field	83/129/8
#10	Αp	Upper Field	83/129/9
#8	Ap	Upper Field	83/129/10
#11	Αp	Upper Field	83/129/11
#12	Ap	Lower Field	83/129/12
#16	Αp	Lower Field	83/129/13
Prehistoric	Surface	Collection Upper	Field 83/129/14
Prehistoric	Surface	Collection Lower	Field 83/129/15
Historic Su	rface Col	lection Upper	Field 83/129/16

Field 3 - Artifact Summary

	<u>Totals</u>		General Artifact Inventory
	17 10 11 16 4	(1) (2) (3) (4) (5) (6)	redware, glazed redware, unglazed whiteware, decorated whiteware, undecorated stoneware, decorated
	2 2 4 2	(7) (8) (9)	stoneware, undecorated porcelain, decorated porcelain, undecorated creamware
	1 11 13	(10) (11) (12)	yelloware pearlware, decorated pearlware, undecorated
Ceramic Total	93 1	(13) (14) (15)	ironstone green bottle glass
	0 7 1	(16) (17) (18)	blue bottle glass brown bottle glass clear bottle glass
	0	(19) (20) (21)	glass, tableware glass, storage glass, milk
<u> Glass (Subsiste</u>	7	(22)	glass, misc.
Total	16 Fund		
10041	0	(23)	1
	8		lamp chimney
	0	(25)	window glass
	ő	(26)	nail, staple
•	ő	(27)	nail, wrought
	Ö	(28)	nail, cut
	0	(29)	nail, wire
		(30)	nail, roofing
	0 0	(31)	metal, architecture
	0	(32)	metal, furniture
	Ö	(33) (34)	metal, household
	Ö	(35)	metal, misc.
	Ö	(36)	metal, tool metal, arm
	Ö	(37)	
	Ō	(38)	metal, screws metal, wire
	0	(39)	metal, sheet
	0	(40)	unidentified metal fragments
•• . •	1	(41)	nail fragments
Metal Total	1	(42)	
	0	(43)	button/bead
	12	(44)	other
	0	(45)	plastic
	1	(46)	pipes
	9 1	(47)	brick
	22	(48)	(oyster/clam)
Total Artifacts		(49) (50)	aboriginal
		(30)	146

#### GENERAL ARTIFACT INVENTORY

Site No.	Site Name Field #3
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Α	ccessio	n No.	3/3	11/2/12	0/2/12	13/45/1 <sup>2</sup>	al <sup>4</sup> / <sub>43</sub> / <sub>12</sub>	(K) (3) (3)	(9) V	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2	43	10 53/P	11/2/120	113/12/12/12/12/12/12/12/12/12/12/12/12/12/	9/14/53/129/1
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#### GENERAL ARTIFACT INVENTORY

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#### TABLE V-1

#### FIELD 3

#### Artifact Tabulation by Ware Type Surface Collection Only

Refined White Earthenware	White- ware	Pearl- ware	Cream- ware		
Transfer Printed	0	0	ware 0	Porcelain	2
Hand Painted	2	0	0	Yellow Ware	0
Minimally Decorated	0	2	0	Coarse Stoneware	4
Undecorated	5	3	0	Coarse Earthenware	15
Totals	$\bar{7}$	5	ō		

#### TABLE V-2

#### FIELD 3

### Artifact Tabulation by Ware Type and Strata Shovel Tests Only

Shovel	Test	٦.	Αp	horizon
$\sim$ 110 $^{\circ}$ $\sim$ $^{\circ}$	1000	0	7. 0	*****

Shovel Test 1, Ap horizon					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White-ware  0 0 3 0 4	Pearl- ware 0 0 0 0 0 0	Cream- ware 0 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0 0 2
Shovel Test 1, Zone 11					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White- ware 0 0 0 0 0 0	Pearl- ware 0 1 0 0 0 0	Cream- ware 0 0 0 1 0 1	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0
Shovel Test 2, Ap horizon					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White- ware 0 0 0 3 0 3	Pearl- ware 0 0 0 0 0 0	Cream- ware 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0 0 2
Shovel Test 4					
No ceramics Two brick fragments					
Ob					

#### Shovel Test 5

Refined White Earthenware Transfer Printed	White- ware 0	Pearl- ware 0	Cream- <u>ware</u> O	Porcelain	0
Hand Painted	0	0	0	Refined Redware	0
Minimally Decorated	Ó	0	0	Refined Stoneware	0
Undecorated	1	0	0	Yellow Ware	0
Decalcomania	Ō	0	O	Coarse Stoneware	0
Total	ī	ō	ō	Coarse Earthenware	0
	1.	50			

#### Shovel Test 6, Ap horizon

DITOTOL LODO 17 11P 113111					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White- ware 0 0 0 3 0 3	Pearl- ware 0 0 1 1 0 2	Cream- ware 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 1 0
Shovel Test 7, Ap horizon					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White- ware 0 0 0 0 0 0	Pearl- ware 0 0 1 2 0 3	Cream- ware 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0 0
Shovel Test 9					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White-ware 0 0 0 1 0	Pearl- ware 0 0 0 0 0 0	Cream- ware 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0 0
Shovel Test 10					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White- ware 0 0 0 0 0	Pearl- ware 0 0 1 4 0 5	Cream- ware 0 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0 0
Shovel Test 8, Ap horizon					
Refined White Earthenware Transfer Printed Hand Painted Minimally Decorated Undecorated Decalcomania Total	White- ware 0 0 0 1 0	Pearl- ware 0 0 0 0 0 0 0	Cream- ware 0 0 0 0 0 0 0	Porcelain Refined Redware Refined Stoneware Yellow Ware Coarse Stoneware Coarse Earthenware	0 0 0 0 0

#### Shovel Test 11, Ap horizon

Refined White Earthenware	White- ware	Pearl- ware	Cream- <u>ware</u>		
Transfer Printed	<del></del> 0	l	0	Porcelain	0
Hand Painted	0	0	0	Refined Redware	0
Minimally Decorated	0	0	0	Refined Stoneware	0
Undecorated	0	1	0	Yellow Ware	0
Decalcomania	0	0	0	Coarse Stoneware	0
Total	<u> </u>	2	$\overline{o}$	Coarse Earthenware	0

#### Shovel Test 16, Ap horizon

Refined White Earthenware	White-	Pearl-	Cream-		
	ware	<u>ware</u>	<u>ware</u>		
Transfer Printed	0	0	<del></del> 0	Porcelain	0
Hand Painted	0	0	0	Refined Redware	0
Minimally Decorated	0	0	0	Refined Stoneware	0
Undecorated	0	1	0	Yellow Ware	0
Decalcomania	0	0	0	Coarse Stoneware	0
Total	ō	ī	$\overline{o}$	Coarse Earthenware	0

# APPENDIX VI ARTIFACT PROVENIENCE, ACCESSION LIST AND FINAL INVENTORY, FIELD 4

Field 4
Provenience and Accession List

A	Squares Ap	5'by5' Unîts	Acc. No.: 83/130/1
В	Ар		83/130/2
В	Ар	2'by2'Extension	83/130/3
C	Ар		83/130/4
D	Ap		83/130/5 83/130/6
Ē	Ар		83/130/7
F	Ар	of Ap Feature #2	03/130/1
F	Base o		
	#1	Artifacts #'s 1-6	83/130/81
	#2		83/130/82
	#3		83/130/83
	#4		83/130/84
	#5		83/130/85
	#6		83/130/86
G	Αp	10% sample	83/130/9
H	Ap	10% sample	83/130/10
Ī	Ap	10% sample	83/130/11
Shove	-	2'by2' Units	
#1	Αp	-	83/130/12
#2	Ap		83/130/13
#3	Αp		83/130/14
#4	Αp		83/130/15
<b>#</b> 5	Αp		83/130/16
#5	Mottle	ed Zone at Base of Ap	83/130/17
<i>#</i> 5		bance in Subsoil	83/130/18
#6	Aρ		83/130/19
#7	Αp		83/130/20
#8	Ap		83/130/21
#9	Ap		83/130/22
#10	Ap		83/130/23 83/130/24
#11	Ap		03/130/24

Field 4
Provenience and Accession List for Bone

Test Squares 5'by5'Units  A Ap E Ap F Ap F Base of Ap Feature #2 G Ap	83/130/1 83/130/6 83/130/7 83/130/86 (Mapped Artifact 83/130/9 #6)
Shovel Tests 2'by2'Units #4 Ap #5 Mottled zone at Base of Ap #5 Disturbance in Subsoil #8 Ap #11 Ap	83/130/15 83/130/17 83/130/18 83/130/21 83/130/24

Field 4 - Artifact Summary

	<u>Totals</u>	General Artifact Inventory
	460 105 104 237 0 32 4 82 34 230 443 0	(1) redware (2) redware, unglazed (3) whiteware, decorated (4) whiteware, undecorated (5) stoneware, decorated (6) stoneware, undecorated (7) porcelain, decorated (8) porcelain, undecorated (9) creamware (10) yelloware (11) pearlware, decorated (12) pearlware, undecorated (13) ironstone
Ceramic Total	1,704	(14)
,	18 4 11 6 5 25 0	<pre>(15) green bottle glass (16) blue bottle glass (17) brown bottle glass (18) clear bottle glass (19) glass, tableware (20) glass, storage (21) glass, milk</pre>
Glass (Subsistence Function) Total	64 133	(22) glass, misc. (23)
	0 4 5 4 15 20 00 4 90 00	(24) lamp chimney (25) window (26) nail, staple (27) nail, wrought (28) nail, cut (29) nail, wire (30) nail, roofing (31) metal, architecture (32) metal, furniture (33) metal, household (34) metal, misc. (35) metal, tool (36) metal, arms (37) metal, screws
<u>Metal Total</u>	0 0 1 17 101 2 376 0 44 213	(38) metal, wire (39) metal, sheet (40) unidentified metal fragments (41) nail fragments (42) (43) button/bead (44) other (45) plastic (46) pipes (47) brick
Artifact Total	20 17 3,064	<pre>(48) oyster/clam (49) aboriginal (50) 156</pre>

#### GENERAL ARTIFACT INVENTORY

Site No.	Site Name Fold #4
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		100	<u>183\1000</u>	431	/4 <sup>3\\</sup>	<b>√3\</b> `	183	431	/43 <sup>\\</sup>	43/1	/43\`	143\\r	\g3\\`	/43\\	435	/43\\\
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Ceramics	Creamw	are	111	18	<del>                                     </del>	7	26	<del>                                     </del>	<del>                                     </del>	<del> </del>		<del> </del>		<del>                                     </del>		
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z	Wire						<u>a</u>			<u> </u>	<b></b>	-	<u> </u>		<u> </u>	$\sqcup$
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Sheet 2 of 3

#### GENERAL ARTIFACT INVENTORY

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	These are keyed to provenience numbers list																	
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_		· · · · · · · · · · · · · · · · · · ·	7.0.3****	143	43	<u> </u>	<u>/%)\`</u>	J43\`	42	_ <i>[43</i> )\`	/43\\~	1431	/ <del>3</del> 3\	<b>√</b> €3\`	/ <sub>5</sub> 3\\	43	/431\"	1
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		Kedwr	Ungl	1.3	1			13	5 12	1	a		5	<u> </u>	1		14	(2)
		White	Deco	<del> </del>	14	┷	┦	<u> </u>	<u> </u>	14			1		3	3	Ti	(3)
		MILTE	Undc	8	14		1	13	18	13_		1			15	7	13	(4)
		Stone	Deco	<del>]</del> ,	<del>-</del>	<u> </u>	<u> </u>		<del> </del>		1				]	,	1.	(5)
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	c)	Storage	W		<del></del>	<del> </del>	<del>                                     </del>	<b></b>	1	<del> </del>	Į. I	ļ		<u> </u>	<b>!</b>			(19)
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		Misc.		<u> </u>				1	9	<del> </del> -	<del>                                     </del>	<del>!</del> :		<del> </del>	9			(21)
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#### GENERAL ARTIFACT INVENTORY

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#### FIELD 4

#### Prehistoric Artifact Tabulation by Excavation Unit

Shovel Test #2 - 1 quartz flake

Shovel Test #4 - 2 quartz flakes, 1 quartz chunk

Shovel Test #8 - 2 quartz flakes

Test Square A - 3 quartz flakes, 1 chalcedony flake, 1 quartz shatter fragment

Tets Square B - 1 quartz primary decortication flake, proximal fragment, 1 jasper secondary decortication flake, thermally altered

Test Square E - 2 quartz flakes, 1 quartz shatter fragment

Test Square F - 1 quartz flake

#### FIELD 4

# Distribution of Whiteware, Pearlware and Creamware by Excavation Unit

Shovel Test 1	<u>Total</u>
Whiteware - 0, Pearlware - 0, Creamware - 0	0
Shovel Test 2	
Whiteware - 0, Pearlware - 3, Creamware - 0	3
Shovel Test 3	
Whiteware - 7, Pearlware - 14, Creamware - 1	22
Shovel Test 4	
Whiteware - 30, Pearlware - 31, Creamware - 8	69
Shovel Test 5	
Whiteware - 7, Pearlware - 57, Creamware - 4	68
Shovel Test 6	
Whiteware - 0, Pearlware - 5, Creamware - 0	5 .
Shovel Test 7	
Whiteware - 0, Pearlware - 3, Creamware - 0	3
Shovel Test 8	
Whiteware - 8, Pearlware - 4, Creamware - 2	44
Shovel Test 9	
Whiteware - 9, Pearlware - 22, Creamware - 0	31
Shovel Test 10	
Whiteware - 6, Pearlware - 4, Creamware - 1	11
Shovel Test 11	
Whiteware - 19, Pearlware - 16, Creamware - 0	35

#### FIELD 4

#### Distribution of Coarse Red Earthenware by Excavation Unit

Shovel Test 1 - 0

Shovel Test 2 - 3 sherds

Shovel Test 3 - 13 sherds

Shovel Test 4 - 33 sherds and 32 fragments

Shovel Test 5 - 36 sherds and 33 fragments

Shovel Test 6 - 7 sherds

Shovel Test 7 - 4 sherds

Shovel Test 8 - 10 sherds and 11 fragments

Shovel Test 9 - 18 sherds and 6 fragments

Shovel Test 10 - 8 sherds and 2 fragments

Shovel Test 11 - 14 sherds and 7 fragments

FIELD 4

Pipe Bowls and Stem Fragments by Excavation Unit

Shovel Tests	Bowl	Fragments	Stems	<b>3</b>
1		0	0	
2 3		0	o	s-board motif
3		1 undecorated	1,	embossed, motifindeterminate
		l decorated bowl and	u	Independent manage
11		stem fragment l bowl and stem,	0	
4		fluted embossing	Ū	
5		l undecorated	0	
,		l decorated, fluted		
		embossing		
$\epsilon$		0	1	
7		0	0	
7 8 9		0	0	•
9		0	0	
. 10		0	0	
11	•	2 undecorated	<u>o</u> 1	decorated
Totals		4 undecorated	_	undecorated
		3 decorated		andcoor a boa
Test Squares	Bowl	Fragments	Stem	<u>s</u>
A		2 undecorated	1	
В		2 fluted and incise	ed 4	(includes 2'by2'
•		3 undecorated	^	extension)
С		0	0	
D.		2 fluted embossing	1	
_		3 undecorated	7	
E		l undecorated l undecorated	i	embossed, motif
F		3 fluted embossing	_	indeterminate
G		0	0	<b>2</b>
G H		l undecorated	6	
I I		2 undecorated	1	
Totals		13 undecorated		undecorated
an open we take the tool		7 decorated	1	decorated

#### FIELD 4

#### Distribution of Nails and Nail Fragments by Excavation Unit

Shovel Tests

#### Test Squares 1 - 0 A - 2 complete cut nails 2 - 2 cut nails 2 cut nail fragments 3 - 3 cut nail fragments B - 4 cut nails 4 - 3 cut nails fragments 5 - 5 cut nail fragments 6 - 1 cut nail fragment 18 cut nail fragments l wrought nail 2 wrought nail fragments C - 9 cut nail fragments 8 - 3 cut nail fragments D - 2 cut nails 12 cut nail fragments l unidentified nail fragment 9 - 0 E - 1 wrought nail 6 cut nail fragments 10 - 1 cut nail fragment F - 1 cut nail fragment 11 - 5 cut nail fragments G - 2 cut nail fragments H - 2 cut nails 2 unidentified nail fragments

I - 1 cut nail

#### FIELD 4

# Distribution of Brick and Brick Fragments by Excavation Unit

<u>Test Squares</u> <u>St</u>	novel Tests
A - 36 red brick fragments 1 red brick fragment, salt glazed	1 - 0 2 - 0 3 - 0
B - 6 large fragments 35 brick fragments	4 - 28 brick fragments 6 - 0
C - 19 brick fragments D - 27 brick fragments	7 - 1 brick fragment 8 - 0
l glazed brick fragment	9 - 5 brick fragments 10 - 0
<pre>E = 19 brick fragments F = 1 brick fragment (Artifact #4)</pre>	11 - 5 brick fragments
G - 3 brick fragments H - 2 brick fragments T - 2 brick fragments	l glazed brick fragment

# APPENDIX VII ARTIFACT PROVENIENCE AND FINAL INVENTORY, HOLLINGSWORTH PROPERTY

#### Hollingsworth Property Provenience and Accession List

#### North Side

Shovel #1 #4 #9 #10	Tests 2'by2' Units A Horizon, Level 1 A Horizon, Level 1 Ab Horizon A Horizon, Level 1	Acc No.: 83/131/1 83/131/2 83/131/3 83/131/4
	South	Side
#4 #1	Fill/0-1' Below Surface Fill/0-1' Below Surface	83/131/5 83/131/6

#### Hollingsworth Property - Artifact Summary

	<u>Total</u>		General Artifact Inventory
	0	(1)	redware, glazed
	0	(2)	redware, unglazed
	0	(3)	whiteware, decorated
	3 0	(4)	whiteware, undecorated
	0	(5)	stoneware, decorated
	0	(6)	stoneware, undecorated
	0		porcelain, decorated
	0	(8)	porcelain, undecorated
	0	(9)	creamware
	0		yelloware
	0		pearlware, decorated
	0	(12)	pearlware, undecorated
	Ŏ	(13)	ironstone
Ceramic Total	3	(14)	
	Õ	(15)	green bottle glass
		(16)	blue bottle glass
	0 1 0	(17)	brown bottle glass
	ō	(18)	clear bottle glass
	ŏ	(19)	glass, tableware
	ĭ	(20)	glass, storage
	Õ	(21)	glass, milk
	10	(22)	glass, misc.
Glass (Subsiste		(22)	g1055, m150.
Function) Total		(23)	
Function, local	0	(24)	lamp chimney
	ì	(25)	window glass
	.0	(26)	nail, staple
	0		
	0	(27) (28)	nail, wrought nail, cut
	1		nail, wire
	ō	(29)	•
	Ö	(30)	nail, roofing metal, architecture
	0	(31)	metal, furniture
		(32)	·
	0	(33)	metal, household
	0	(34)	metal, misc.
	0	(35)	metal, tool
	0	(36)	metal, arms
	0	(37)	metal, screws
	0	(38)	metal, wire
	0	(39)	metal sheet
	0	(40)	unidentified metal fragments
	0	(41)	nail fragments
<u>Metal Total</u>	1	(42)	N
	0	(43)	button/bead
	0	(44)	other
	0	(45)	plastic
	0	(46)	pipes
	1	(47)	brick
	1	(48)	oyster/clam
	1	(49)	aboriginal
Artifact Total	20	(50)	

Sheet	of	

#### GENERAL ARTIFACT INVENTORY

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#### APPENDIX VIII

# NATIONAL REGISTER OF HISTORIC PLACES INVENTORY-NOMINATION FORM FOR FIELD 4, TENANCY SITE AND STATE CRS FORMS

#### **United States Department of the Interior National Park Service**

For NPS use only

### **National Register of Historic Places** Inventory—Nomination Form

received

date entered

ype all entries	-complete applicab	e National Register Forms le sections		
I. Nam	le			
istoric Te	nancy Site, H. Gr	rant Property (7NC-B-	-6)	
nd or common	Aletta Laird Dov	ms Property		
2. Loca	ation			
treet & number		quadrant of intersect, and Rt. 141, Centre		not for publication
ity, town Wi	1mington	_X vicinity of		
tate Delawa	re	code 10 count	y New Castle	code QO3
3. Clas	sification			
category district building(s) structure x site object	Ownership public private both Public Acquisition _X in process being considered	Status occupied unoccupied work in progress Accessible X_ yes: restricted d yes: unrestricted no	entertainment government	museum park park private residence religious scientific transportation other:
I. Own	er of Prop	erty		
ame Mrs.	Aletta Laird Down	18		
treet & number		er Pike & 141 Centre	Road	
ity, town	Wilmington	_X_ vicinity of	state	Delaware
	ation of Le	gal Descript	ion	
	Re	egister of Deeds www.Castle County Coun		
treet & number	City-County Bu	ilding		
ity, town	Wilmington .		state	Delaware
6. Rep	resentatio	n in Existing	Surveys	
William	P. Barse ase I & II Arched	plogical has this	property been determined el	igible?yes _X_ no
Investigati	ons of the Rt. 14 Archeology Serie	l Corridor, New Cast	le County, DE. Delawa federal x sta	are Department of Tran telocal
		Department of Transp	portation	
		171		

	<u> </u>					
Condition  excellent X good fair	deterlorated ruins X unexposed	Sheck oneX_unsiteredsitered	Check one  X original site moved di	ate <u>ca. 1843</u>	·	

Describe the prosent and original (if known) physical appearance

7. Description

The H. Grant tenancy site was identified as the result of a reconnaissance survey, and additional data was gathered during an intensive survey of this location. This assessment was carried out for the Delaware Department of Transportation to fulfill their obligations under Section 106 of the National Historic Preservation Act to evaluate the effects of the proposed improvements to Delaware Route 141 on significant or potentially significant cultural resources, as defined by the National Register of Historic Places (36 CFR 1202). The site is located just to the north of the Lancaster Pike (Delaware Route 48) on the east side of Little Mill Creek and west of Route 141.

The significant component of the site is a nineteenth century occupation which appears to be a tenancy associated with the larger plantation complex identified on maps and in deed research as belonging to W. Tatnall, Henry Grant, John Peoples, and others. A prehistoric component, consisting of a chipping scatter is also present, but is not regarded as significant.

The site is located adjacent to an intermittent spring run which forms the northern boundary of the site, at the edge of the rather steep-sided valley of Little Mill Creek. The boundaries of the site were determined by the limits of artifact scatter observed in the test units on the east and west, and by the limits of construction disturbance for the present alignment of Lancaster Pike on the south.

It is not entirely clear where the exact position of the 19th century alignment of the Lancaster Pike is, but it is presumed to be beneath the present paved alignment (or destroyed by the construction of the present alignment). Other than highway improvements, the land use of the surrounding area is in substantially the same condition as during the site occupation: agriculture. The site is presently in pasture, and the thickness of the root mat suggests that it has been so for some time. However, a plow zone is present throughout the site, suggesting that the site area was cultivated after it ceased to function as a domestic residence.

Eleven 50 cm. shovel tests were distributed across the site area during reconnaissance survey to identify the limits of the artifact scatter and to evaluate the likelihood for sub-plow-zone features. Some of the latter, including a segment of structure foundation, (Square F) were identified in the placement of five foot by five foot test squares during the site testing program. A number of post-molds were identified suggesting the presence of support features and spetial distribution data. The variety of functional classes included in the artifact inventory support the attribution of this site as a residential site, and the integrity of the sub-plow-zone features suggests that significant data are present. The fact that the site has been plowed represents only a minor limitation in the data base, since the ability of plowed historic sites to retain spatial patterning of artifact distributions is clearly established by field research.

#### B. Significance

prehistoric 1400-1499 1500-1599 1600-1699 1700-1799 _X_ 1800-1899	architecture art commerce communications	community planning conservation economics education engineering exploration/settlement	literature military music	religion science sculpture social/ humanitarian theater transportation other (specify)
--	--	--	---------------------------	--

Specific dates

Builder/Architect

#### Statement of Significance (in one paragraph)

The H. Grant Tenancy Site (7NC-B-6) is significant because it is likely to contribute data important in the understanding of the history of this area and the surrounding region. Test excavations revealed that artifact distribution data are present in the plow zone, and that remains of structures and other facilities are present undisturbed below the plow zone. This will allow the characterization of spatial patterning for this common but uninvestigated site type. The following discussion provides a context within which to evaluate the research values of the site.

Delaware was settled by the Dutch in 1630, with the establishment of a whaling station near Lewes. This was soon destroyed by the Indians. The Swedes settled in the vicinity of Wilmington with the establishment of Fort Christina in 1638. This was captured by the Dutch in 1651. Settlement was characterized by scattered farmsteads along the major drainages, the Delaware River, White Clay Creek and Christina Creek (Weslager 1961).

The English obtained control of Delaware in 1664, which was followed by the granting or proprietary rights to William Penn in 1682. This placed Delaware under control of Philadelphia, both economically and politically. Although subsistence farming continued, commercial centers were beginning to be established to channel goods to Philadelphia. Such centers were Christina, Stanton and Ogletown. Throughout the 18th century, the increasing population stimulated the development of new towns and the development of more effective communication networks. This was especially apparent after the development of the towns of Baltimore and Annapolis.

The 19th century saw the development of canals and railroads to accommodate the commercial trade between these towns. The Philadelphia, Wilmington, and Baltimore Railroad was begun in 1839. However, the road system of Delaware lagged considerably behind the railroads as a means of transportation. Settlement in the 19th century was characterized by the large plantations and associated small tenant farms, as well as with the urban areas associated with the commercial towns.

A gradual change in the role of the farm occurred from the 18th through to the 19th centuries. During the 18th century, farming was primarily oriented to the production of goods for subsistence, a pattern that changed gradually to one involving production of goods for consumption on the growing national market. This change ties in with the growing industrial and urban centers in the Philadelphia-Wilmington-Baltimore corridor that was under way in the early 19th century noted above. While this scenario is known on a large scale, how the changing economic framework of the area affected the local household in terms of the organization of material culture is unknown, and accessible only archeologically. One would expect to witness a changing access to goods and the development of differing patterns of consumption based on economic status, as well as a growing diversity in patterns of land usage. Questions concerning what percentage of the population remained on a subsustence level as opposed to those engaged in production for market consumption are unknown, and would be most accessible through archeological investigations.

Deed research revealed that this location was consistently part of a sizeable plantation, and map research indicates that the principal residence of the owners is in the .

### **United States Department of the Interior National Park Service**

# National Register of Historic Places Inventory—Nomination Form

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Continuation sheet

Item number 8

Page 2

location presently occupied by the owner, facing Centre Road (Rt. 141). A structure does appear at the tenancy site on one of the several maps that cover the area and show dwellings, the Eckel Map of 1860. The variety and distribution of the artifacts, as well as the subsurface features, suggest that this site was a domestic site, and since the principal residence on the property is already accounted for, a tenancy is implied.

A number of specific research questions can be addressed using the data present at 7NC-B-6:

- 1. Does the spatial organization of the structures and other facilities conform to a "typical" plan, as identified by other research (Heite 1984).
- 2. Does the realized plan resemble that common to owner-occupant sites, which can be documented to some degree from extant structures at such sites, or does it reflect a plan peculiar to the tenant situation, and retrievable largely from archaeological data? (The plan at this site can be identified as conforming or variant; comparison to other research at other tenant sites will be needed to confirm a specific pattern, i.e. Thomas 1983).
- 3. To what degree does the artifact assemblage express the lower economic status of a tenant, in comparison to owner-occupied sites? Are those patterns in the artifact assemblages, specifically in the distribution of cost-sensitive decorative attributes on whitewere, peculiar to tenants and distinguishable from other socio-economic groups?

Data developed at the H. Grant tenancy can establish base-line evaluations of patterns for this type of site to be compared with future research at other tenant houses and owner occupied site. Current research by DelDOT in downtown Wilmington can be used for comparisons between rural tenants and urban dwellers. In summary, testing has demonstrated that data are present in usable contexts at the H. Grant Tenancy Site to address a number of pertinent research questions current in historical archaeology.

Histe, Louise B. 1986 Archaeological Investigations at the Mudstone Branch Site, Saulsburgod, Road, Dover, Kent County, Delaware, Delaware Department of Transportation, Division of Highways, Location and Environmental Studies Office, Dover.  South, Stanley 1977 Method and Theory in Historical Archaeology. Academic Press, New Yor Thomas, Ronald A. 1983 Archaeological Data Recovery at an Eighteenth Century Harmstead Leves, Sussey County Delaware, Midd-Hantic Archaeological Research. Academic Press, New Yor Thomas, Ronald A. 1983 Archaeological Data Recovery at an Eighteenth Century Harmstead Chewes, Sussey County Delaware, Midd-Hantic Archaeological Research. Academic Press, New Yor Traders and Settlers in the Delaware Valley. Philater and Conditional Press. Academic Press, New Yor Chemical Press, Philater Conditional Press, New York Chemical Press, New York Ch	. Maior Bi	bliographica	al Referenc	es		
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Tak References  Tak References	creage of nominated pro	pertyapproximately	2 1∕3 acre .PA	Qua	drangle scale1:2	4_000
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proganization Thunderbird Archeological Associates date 2/23/84  Street & number Rte. 1, Box 1375 telephone 703-635-3860  City or town Front Royal state VA 22630  12. State Historic Preservation Officer Certification  The evaluated significance of this property within the state is: nationalstatelocal  As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.  State Historic Preservation Officer signature  title date  For NPS use only I hereby certify that this property is included in the National Register  Keeper of the National Register	tate	code	county		0000	
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GPO 404-785

# **United States Department of the Interior**National Park Service

# National Register of Historic Places Inventory—Nomination Form

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Continuation sheet

Item number

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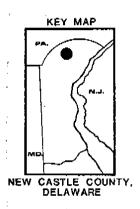
Page 2

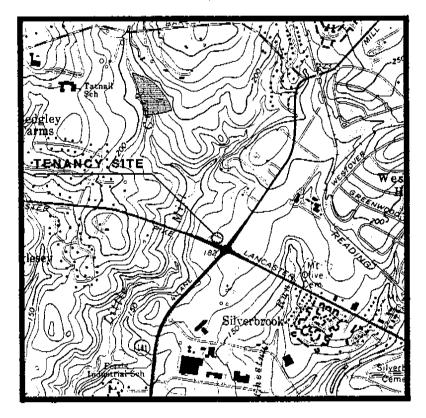
equals twenty-five feet, but are really only as accurate as corner A. The attached drawing also shows grid points for the Delaware State Plane Coordinate System, from the DelDOT plan. The southern boundary ("A" to "E") of the site follows the northern right-of-way margin of the present alignment of the Lancaster Pike. It is expected that there would be road construction disturbance to the south of that line. The eastern boundary of the site ("E" to "D") marks the position where artifacts had fallen to near zero in the test pits. From corner "D", through "C", to "B", the northern boundary of the site follows the lowest points in the drainage swale, which forms a logical natural boundary. It is possible that some remains associated with the site might be located north of this boundary, but artifacts were falling off in this direction, and anything north of the swale would be outside the impact zone, as presently defined. The western boundary of the site ("B" to "A") is at a break point in the slope. From this line to the west, the ground slopes rather steeply toward the channel of Little Mill Creek, and it is projected that this area would not have been occupied.

#### FIGURE 1

# TENANCY SITE NATIONAL REGISTER NOMINATION

UTM-18.448040.4401020 WILMINGTON NORTH U.S.G.S. QUAD.





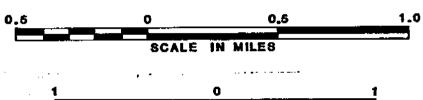
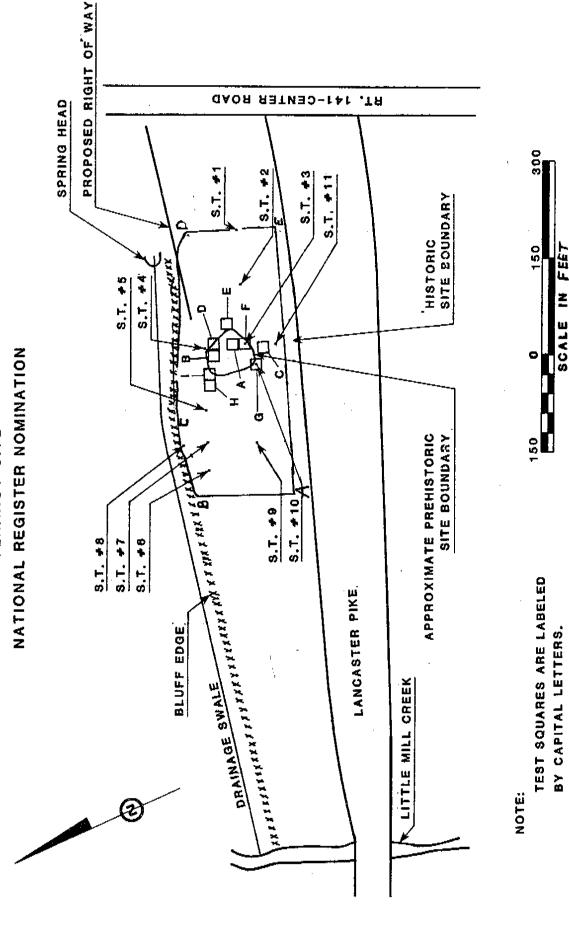


FIGURE 2

TENANCY SITE



S.T. = SHOVEL TEST

### CULTURAL RESOURCE SURVEY LOCUS IDENTIFICATION FORM

DELAWARE BUREAU OF ARCHAEOLOGY AND HISTORIC PRESERVATION HALL OF RECORDS DOVER, DELAWARE 19901 (302) 678-5314



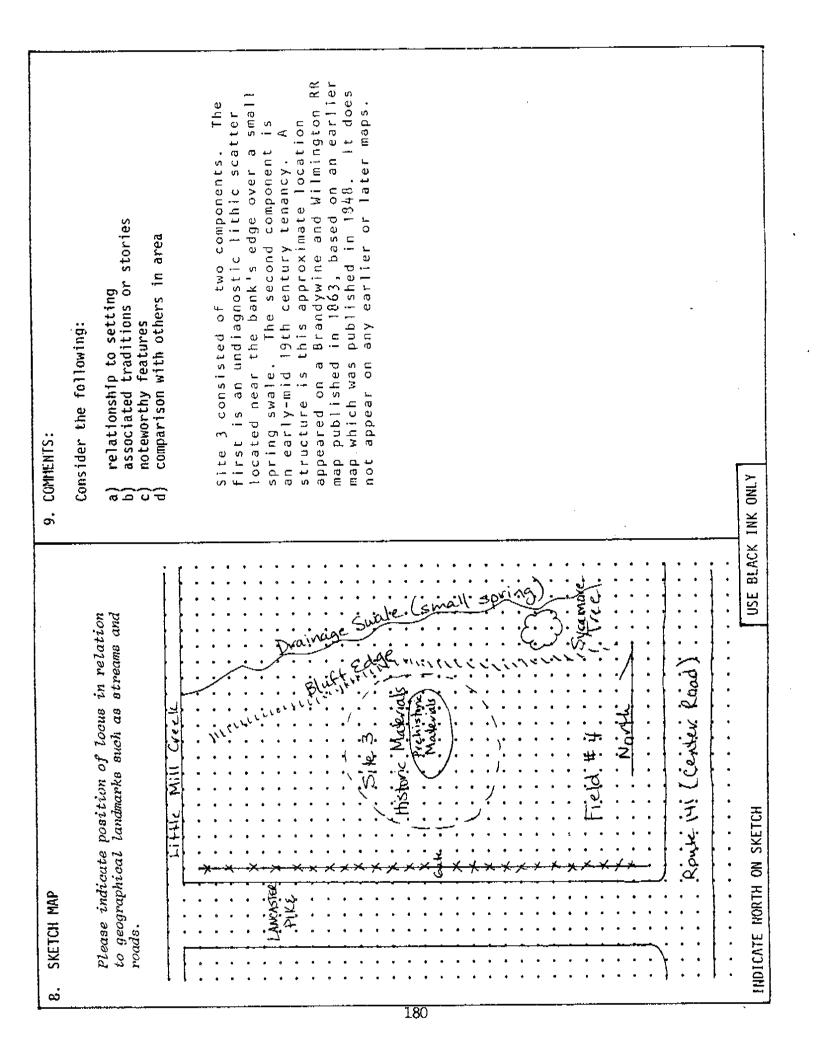
FORM CRS-3

FOR OFFICE USE ONLY

CRS #	N-5010
Quad SPO map #	
Hundred	
DOCUMENT	20-06/78/04/7

1.	NAME OF LOCUS: Field 4. Site 3
2.	
3.	OWNER'S NAME: Aletta Downs TEL. #
	ADDRESS: Route 141, Wilmington, Delaware 19801
4.	TYPE OF LOCUS: a) structure b) district c) archaeological site ×
	d) other
5.	SURROUNDINGS OF LOCUS: (check more than one if necessary)
	a) fallow field <u>×</u> b) cultivated field c) woodland
	d) scattered buildings e) densely built up f) other
6.	THREATS TO LOCUS: (check more than one if necessary)
	a) none known b) zoning c) roads _× d) developers
•	e) deterioration f) other
7.	REPRESENTATION ON OTHER SURVEYS:
	TITLE:#
	TITLE:##
	TITLE:#
8.	YOUR NAME: William P. Barse TEL. #703-635-3860
	YOUR ADDRESS: Route 1 Box 1375, Front Royal, VA. 22630
	ORGANIZATION (if any) Thunderbird Archeological Assoc. DATE: 4/26/84

USE BLACK INK ONLY



### CULTURAL RESOURCE SURVEY ARCHAEOLOGICAL SITE FORM

BUREAU OF ARCHAEOLOGY AND HISTORIC PRESERVATION OLD STATE HOUSE, THE GREEN DOVER, DELAWARE 19901 (302) 736-5685 DOCUMENT 20-06/80/06/4



Form CRS-4

FOR OFFICE USE ONLY

CRS no.	N-5010
Arch. Site	1NC-B-6
SPO Map	
Soil Map	
Quad	
Drainage	
	***

Site		60/ 00/ 4			D. U. 1.	lage	· <u> </u>	
	e Designatio	n Site #3,	Field #4		<u> </u>	Date 4/26	/84	
Loca	ation <u>locat</u>	ed in the	field nort	hwest of	the inte	ersectio	n of	
Rou	ute 141 an	d Lancaste	r Pike, Ne	w Castle	County,	Delawar	е	
Owne	er or Contac	t_Aletta_D	owns, Wiln	ington,	Delaware	,		
Site	e Descriptio	n: Soil Typ	oe	Cultiva	ited	Other	<u>Pasture</u>	
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11	2'x2' sho	vel tests	and 9 5'x	' square	s.			
	lections at ession No. <u>8</u>		i Museum By Whom <u>l</u>	nunderbir	d Archeo	logical	<u>Associa</u> t	es
Date	<u>1983</u>	_ Surface	Excav	ation <u>x</u>	Locati	on		
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Date	e	Surface	Exçav	ation	Locati	on		
Othe	er Collectio	ns	None				***	

 	CRS N-5010 Arch.Site. No. 7NC-B-6 Historic Inventory ( )	
9.	Artifacts: projectile points Prehistoric - quartzite and chert flake	ς.
	Historic - pearlware, whiteware, creamware, porcelain, etc.	-
	soapstoneCeramics: Experimental	
	Wolfe NeckCoulbourneMockleyHell Island	
	Townsend	
	Other	
	Ground Stone Tools Battering Tools	
	Chipped Stone Tools: BifacialUnifacialU.F	
	Other	
10.	Photos: B&W yes - in report Color	
11.	Documents on File Field notes	
12.	Publications/MS on File Phase I and Phase II Archeological Investiga	tions
	of the Route 141 Corridor, New Castle Co., Del for Delaware DO	T
13.	Other	
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	SKETCH MAP	
	Sund (Small Spring)  Sund (Small Spring)  Prairie Sund (Small Spring)  Bluck Edge IIII IIII IIII IIII IIII IIII IIII I	
	Sum (Swall Spring)	
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# APPENDIX IX FIELD 3 STATE CULTURAL RESOURCE FORMS

# CULTURAL RESOURCE SURVEY LOCUS IDENTIFICATION FORM

DELAWARE BUREAU OF ARCHAEOLOGY AND HISTORIC PRESERVATION HALL OF RECORDS DOVER, DELAWARE 19901 (302) 678-5314



FORM CRS-3

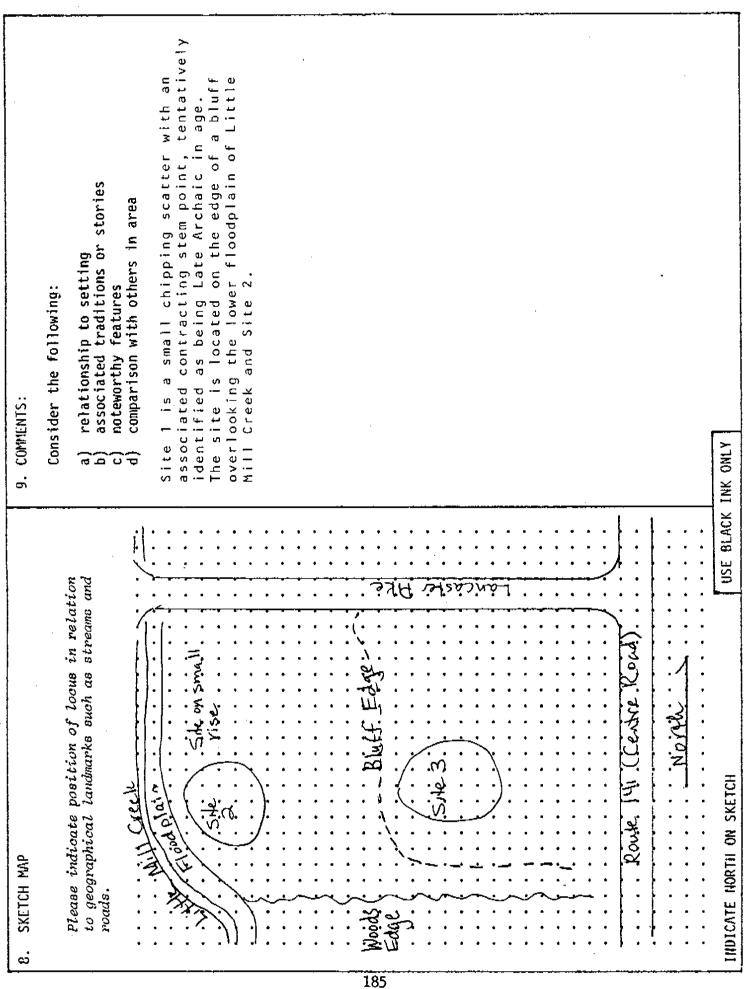
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FOR OFFICE USE ONLY

CRS #	N-9568
Quad	
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DOCUMENT	20-06/78/04/

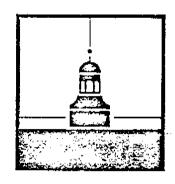
٦.	NAME OF LOCUS: Site 1, Field 3 - Area A
2.	STREET LOCATION: Located at the intersection of Rte. 141 & Lancaster P
3.	OWNER'S NAME: Peter Hayward TEL. # 302-573-6291
	ADDRESS: J. Caleb Boggs Bldg., Wilmington, Del. 19801
4.	TYPE OF LOCUS: a) structure b) district c) archaeological site _x
	d) other
5.	SURROUNDINGS OF LOCUS: (check more than one if necessary)
	a) fallow field b) cultivated field $\times$ c) woodland
	d) scattered buildings e) densely built up f) other
6.	THREATS TO LOCUS: (check more than one if necessary)
	a) none known b) zoning $\times$ c) roads $ imes$ d) developers
	e) deteriorationf) other
7.	REPRESENTATION ON OTHER SURVEYS:
	TITLE:#
	TITLE:#
	TITLE:#
8.	
	YOUR ADDRESS: Route 1 Box 1375, Front Royal, VA. 22630
	ORGANIZATION (if any) Thunderbird Archeological Assoc. DATE: 4/26/84

USE BLACK INK ONLY



## CULTURAL RESOURCE SURVEY ARCHAEOLOGICAL SITE FORM

BUREAU OF ARCHAEOLOGY AND HISTORIC PRESERVATION OLD STATE HOUSE, THE GREEN DOVER, DELAWARE 19901 (302) 736-5685 DOCUMENT 20-06/80/06/4



Form CRS-4

FOR OFFICE USE ONLY

CRS no. Arch. Site SPO Map Soil Map Quad Drainage	N-9568 7NC-B-7
B-4	

1.	Site Designatio	n Field 3	Site 1 - Area A Date 4/27/84
2.	Location Locat	ed in the 1	field southwest of the intersection of
	Route 141 an	<u>d Lancaster</u>	Pike, New Castle County, Delaware
3.	Owner or Contac	t <u>Peter D</u>	. Hayward J. Caleb Boggs Bldg. Wilmington
4.	Site Descriptio	n: Soil Type	eCultivated _x Other
5.	Description of	Field Work <u>s</u>	ite located by surface collection, subsurface
	testing, con	sisting of	16 2' x 2' shovel tests - no subsurface context
6.	Collections at Accession No. 8		Museum By Whom Thunderbird Archeological Associates
	Date 1983	_ Surfacex	Excavation × Location_
	Accession No		_ By Whom
	Date	_ Surface	Excavation Location
	Accession No		By Whom
	Date	_ Surface	Excavation Location
	Accession No		_ By Whom
	Date	Surface	Excavation Location
7.	Other Collection	ns_None	
s <del>.</del>			small prehistoric lithic scatter, contained a nt of Late Archaic period affiliation.

. To the proceedings and a second or the

	RS Arch.Site. No Historic Inventory ( )	
9.	rtifacts: projectile points Contracting stemmed point of ferrugions	ous
,	andstone	
	oapstoneCeramics: Experimental	
	olfe Neck Coulbourne Mockley Hell Island	
	ownsend	
	ther	
	round Stone Tools Battering Tools	
	nipped Stone Tools: BifacialUnifacialU.F	
2.0	ther	
10.	notos: B&W yes - in report Color	
11.	rcheological Associates, Front Royal, Virginia 22630	
12.		
12.	blications/MS on File Phase I and II Archeological Investigations	
13.	<u>f the Route 141 Corridor, New Castle County, Delaware - for Dela</u> OT Ther	aware
	her	
	SKETCH MAP	
	Lancaster Pile	<u></u>
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Mill Pool		ब्र
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# CULTURAL RESOURCE SURVEY LOCUS IDENTIFICATION FORM

DELAWARE BUREAU OF ARCHAEOLOGY AND HISTORIC PRESERVATION HALL OF RECORDS DOVER, DELAWARE 19901 (302) 678-5314



FORM CRS-3

FOR OFFICE USE ONLY
CRS # N-9568
Quad
SPO map #
Hundred
DOCUMENT 20-06/78/04/7

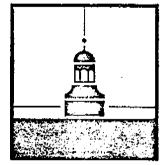
٦.	NAME OF LOCUS: <u>Field 3. Site 2: - Area B</u>
2.	STREET LOCATION: Intersection of Route 141 and Lancaster Pike
3.	OWNER'S NAME: Peter Hayward TEL. #302-573-6291
	ADDRESS: J. Caleb Boggs Bldg., Wilmington, Del. 19801
4.	TYPE OF LOCUS: a) structure b) district c) archaeological site ×
	d) other
5.	SURROUNDINGS OF LOCUS: (check more than one if necessary)
	a) fallow field b) cultivated field c) woodland
	d) scattered buildings e) densely built up f) other
6.	THREATS TO LOCUS: (check more than one if necessary)
	a) none known b) zoning $\times$ c) roads $\times$ d) developers
	e) deterioration f) other
7.	REPRESENTATION ON OTHER SURVEYS:
	TITLE: #
	TITLE:##
	TITLE:#
8.	YOUR NAME: William P. Barse TEL. # 703-635-3860
	YOUR ADDRESS: Route 1 Box 1375, Front Royal, Va. 22630
	ORGANIZATION (if any) Thunderbird Archeological Assoc.DATE: 4/26/84

USE BLACK INK ONLY

Please indicate position of locus in relation  10 geographical landwarks such as streams and relationship to setting roads.  11 please indicate position of locus in relation  12 contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in area contemprison with others in a contemprison with other with others in a contemprison with other with other with other with other with other with other with other with other with other with other with other with other with other with other with other with oth	8. SKETCH MAP	9. COMPENTS:
C indewortly features in area d) comparison with others in area and is situated on a small rise in and is situated on a small rise in floodplain of Little Mill Greek. A was I contract in greem point of thy was I contract in greem point of thy indicating a Late Archaic cultural This site is located wet of and bell bluff on which site I is located.  Site D.	Please indicate position of locus in relation to geographical landmarks such as streams and roads.	nsider the following: relationship to setting associated traditions or
Site 2 is a small scatter of flakin and is situated on a small rise in floodplain of Little Mill Greek. A was I contracting stem point of rive in dicating a Late Archaic cultural. This site is located out of and belief on which Site I is located.  Sale Solve I is located.  Sale Solve I is located.	Little Mill Greek	noteworthy features comparison with others
Wood Edge   Bluff Edge   Bluff Edge   Bluff on which Site   Is located on the state of and bell but the state   Is located on the state   Is located	Site Site on small	e 2 is a small scatter of flakin is situated on a small rise in odplain of Little Mill Creek. A 1 contracting stem point of rhy
Wood Edge Edge Site Bluff Edge Site Soute, 141 (Leather Road)		icating a Late Archaic s site is located wet o ff on which Site I is l
Alueticas les Pir		
Bluck: Edgic Sight Sight Bluck: Edgic Sight Sight Bluck: Edgic Sight Sig	Wood	
The Rings	Bluck Eday	
H. Clearthe Raid)	יייכס	
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ISF RIACK INK		
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## CULTURAL RESOURCE SURVEY ARCHAEOLOGICAL SITE FORM

BUREAU OF ARCHAEOLOGY AND HISTORIC PRESERVATION OLD STATE HOUSE, THE GREEN DOVER, DELAWARE 19901 (302) 736-5685 DOCUMENT 20-06/80/06/4



Form CRS-4

FOR OFFICE USE ONLY

CRS no.	<u>N-9568</u>
Arch. Site	7NC-B-7 .
SPO Map	
Soil Map	
Quad	
Drainage	

	DOCUMENT 20-06/80/06/4	Drainage
1.	Site Designation Field 3, Site 2 - Area B	Date 4/26/84
2.	Location Located in a field southwest of	the intersection of Route
	141 and Lancaster Pike, New Castle Coun	ty, Delaware
3.	Owner or Contact Peter Hayward, J. Caleb B	oggs Bldg., Wilmington
4.	Site Description: Soil Type Culti	vated × Other
_	s Site located by su	rfore collection. Three 21w
5.	Description of Field Work Site located by su	riace contection. Inree 2'x
	shovel tests were excavated as well.	
6.	Collections at Island Field Museum Accession No. 83/129/1-16 By Whom Thunderb	ird Archeological Associates
	Date 1983 Surface X Excavation	× Location
	Accession No By Whom	
	DateSurfaceExcavation	Location
	Accession NoBy III hom	
: =	DateExcavation	Location :-
1	Accession No.200. By Whom and	
Ž S	Date Surface _ Excavation _	Location : 5
i 7. 7	Other Collections 11 None	
፤ ቜ	Cultural Chicagonianticological to 2 in annual 1	
۵. ا	Cultural Characterization Site 2 is probabl	
? =	on the recovery of a rhyolite contracti	ng stem point.
<u> </u>		

9.	CRS Arch.Site. No Historic Inventory ( )  Artifacts: projectile points Rhyolité contracting stem point			
	soapstone Ceramics: Experimental			
	Wolfe Neck Coulbourne Mockley Hell Island	,		
	Townsend	'		
	OtherBattering Tools			
	Chipped Stone Tools: Bifacial Unifacial U.F			
	Other			
10.	Photos: B&W yes - in report Color			
11.	11. Documents on File Field notes			
12.	Route 141 Corridor, New Castle County, Del for Delaware DOT  13. Other			
13.				
	SKETCH MAP	İ		
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